

# EasyTom S

## 3D X-RAY MICRO COMPUTED TOMOGRAPHY SYSTEM

### TOP PERFORMANCE

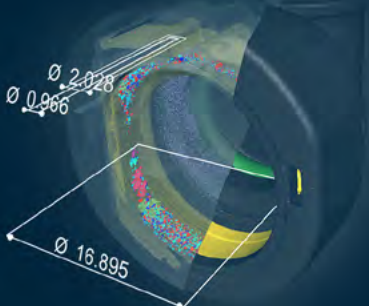
- ✓ Micro-focus Generators:  
Outstanding CT Resolution 2  $\mu\text{m}$
- ✓ High speed Detector:  
Fastest scan 6 sec.

### HIGH FLEXIBILITY

- ✓ Large inspection volume ( $\text{Ø} \times \text{H}$ ):  
185 mm x 390 mm
- ✓ Easy integration:  
Small footprint - Plug & play
- ✓ Designed for multiple applications:  
Different configurations available

### MAXIMUM EFFICIENCY

- ✓ Enhanced mechanics:  
long-term stability granite axes
- ✓ Automated scanning reconstruction  
and inspection workflow
- ✓ Multiple acquisition modes:  
Conventional, helical, shift, stack ...
- ✓ High availability:  
low maintenance downtime



# TECHNICAL SPECIFICATIONS

## SYSTEM SPECIFICATIONS

### Scanning Capabilities

|   |                                     |
|---|-------------------------------------|
| Highest resolution                                  | 2 $\mu\text{m}$ (JIMA & QRM Charts) |
| Maximum scanned volume ( $\varnothing \times H$ ) * | 185 mm x 390 mm                     |
| Maximum sample weight                               | 5 kg                                |

\* The sample size can exceed the maximum scanned volume

### Mechanical Specifications

|                                |                            |
|--------------------------------|----------------------------|
| Cabinet dimensions (HxWxD)     | 1865 mm x 1325 mm x 890 mm |
| Total weight of the system     | 1020 kg                    |
| Vertical Axis                  | 300 mm                     |
| Lateral Axis                   | 200 mm                     |
| Zoom Axis                      | 466 mm                     |
| Generator to detector distance | 590 mm                     |

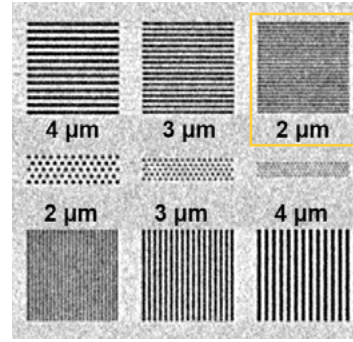
## CT SPECIFICATIONS

### X-ray Generator

|                         | Option 1        | Option 2        | Option 3        |
|-------------------------|-----------------|-----------------|-----------------|
| Microfocus sealed tube  |                 |                 |                 |
| Maximum voltage         | 110 kV          | 130 kV          | 150 kV          |
| Maximum power           | 16 W            | 39 W            | 75 W            |
| Minimum focal spot size | 2 $\mu\text{m}$ | 5 $\mu\text{m}$ | 5 $\mu\text{m}$ |

### X-ray Detector

|  |              |                   |
|--|--------------|-------------------|
| Flat panel<br>(Other detectors available on request) | Active area  | 20 cm x 25 cm     |
|  | Pixel pitch  | 127 $\mu\text{m}$ |
|  | Pixel matrix | 1920 x 1536       |
|  | Frame rate   | 1-60 fps          |



QRM micro-chart :  
3D proven resolution  
2  $\mu\text{m}$

## RX SOLUTIONS SOFTWARE: X- ACT

### Radiography

Radiography filter enhancement

2D video sequence acquisition

3D measurements

### CT Acquisition

CT Acquisition Modes: conventional, helical, stack, laminography, continuous or step by step rotation

Ergonomy: wizard mode for non experts, automation mode for single click acquisition to inspection workflow

Radiography filter enhancement, 2D video sequence acquisition, 3D measurements

Automatic black & gain calibration and sample repositioning

### CT Reconstruction

Real time artefacts corrections: focal spot drift, ring artefacts, beam hardening, phase contrast

Easy and intuitive 3D optimization of the reconstruction volume using test slices

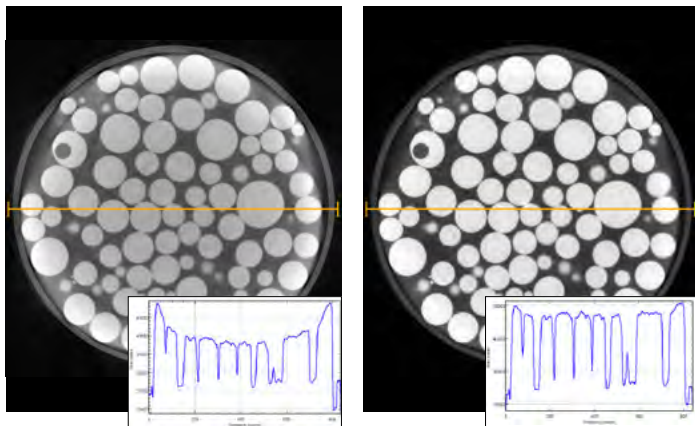
On the fly reconstruction of a running acquisition

## WORKSTATIONS

System-integrated acquisition workstation

Standalone reconstruction workstation with powerful GPU

## X-Act: RX Solutions Proprietary X-Ray Imaging Software



Before correction

After correction

### Beam Hardening Correction



Without filter



With filter

### Radiography Filter Enhancement



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